



1) Housing rotatable by 304° 2) Tightening torque 1...1.5 Nm 3) Tightening torque 16.5 Nm

- Normally open (NO)
- 2.00 mm
- Flush (shielded)
- Connector, 7/8"-16UN-S05



General attributes

Approvals / Conformity	CE cULus EAC
Basic standard	IEC 60947-5-2
Enclosure Type per IEC 60529	IP67
Function indicator	Yes
Magnetic field immune	immune to magnetic DC and AC fields
Part number sealing ring	116143
Polarity reversal protected	Yes
Power indicator	Yes
Protection Class	I
Scope of delivery	2 x hexagon socket screw UNC 1/4"- 20x 3/4" - 12.9 1 x O-ring Ø17.13 x 2.62
Short circuit protected	Yes
Trademark	Strokemaster

Electrical attributes

Connection type	Connector
Eff. operating current Ie	500 mA
Eff. operating voltage Ue AC	110.0 V
Electrical version	UC (AC/DC)
Magnetic field strength	100 kA/m
Minimum operating current Im	5 mA
Operating voltage UB max. AC [V]	250.0 V
Operating voltage UB max. DC [V]	250.0 V
Operating voltage UB min. AC [V]	20.0 V

Operating voltage UB min. DC [V]	20.0 V
Rated frequency, AC	50/60 Hz
Rated insulation voltage Ui	250 VAC
Rated short circuit current	100 A
Short-time cur. load cap. Freq	1.0 Hz
Short-time load cap./time I _k /T	3.0 A/20 ms
Switching freq. f max. (at Ue)	50 Hz
Switching function	Normally open (NO)
Voltage drop static max.	6.0 V

Mechanical attributes

Ambient temperature Ta max.	70 °C
Ambient temperature Ta min.	-25 °C
Assured operating distance Sa	1.60 mm
Connector type	7/8"-16UN-S05
Diameter d1	D12.7
Eff. operating distance Sr	2.00 mm
Height (small side)	48.0 mm
Housing material	1.4104 / GD-ZnAl
Length L	L = 4.560" ±0.005" (115.82)
Mech. installation condition	Flush (shielded)
Pressure resistance	oilpressure-rated to 3000 psi
Rated operating distance Sn [mm]	2.00 mm
Sensing face material	Ceramic
Size of sealing ring	17.13 x 2.62
Surface protection	Nickel-plated
Width (long side)	64.2 mm

Inductive sensor

BES 516-200-S2/4.560"-S5

Order code: BHS0019

BALLUFF

Remarks

Leakage current I_r max. at rated operating voltage U_e AC 110 V

LED 1: Operating voltage; LED 2: Function

Flashing LED indicates overload. When the overload is removed, interrupt the supply voltage U_b for approx. 2 sec.

For UL application the device should be used with External Connection Cable, any (CYJV/7), min. temperature rating 95°C.

